ABSTRACT

A write driver apparatus and corresponding method for an inductive head element (20) in a magnetic storage medium, such as a hard disk drive, having an H-bridge type circuit (10) which is capable of driving a current through the inductive head element (20) and having a boost circuit (250, 260) which is coupled with the H-bridge (10) and which is operable for delivering another current during a predetermined period to the head element (20), wherein a sum of the currents provides the write current for the head element (20) of the hard disk drive. Further, a resistive element (210, 320, 330) is selectively coupled with the head element (20) for providing impedance matching in which the resistive element (210, 320, 330) is decoupled from the head element (20) during delivery of the current from the boost circuit (250, 260).